

# Concise Explanation of Relevance under 37 C.F.R. §1.98(a)(3)(i)

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Document Number or Title	Explanation of Relevance	Degree of Relevance	Applicant
2003-157874	<p>This fuel circulation type fuel cell system comprises a fuel cell stack 1 for generating electricity with fuel and oxidizer supplied; a fuel circulation passage 6 for resupplying to the fuel cell stack 1 again with fuel discharged from the fuel cell stack 1; a fuel pump 3 disposed in the fuel circulation passage 6 for supplying new fuel to the fuel circulation passage 6 and for circulating the fuel in the fuel circulation passage 6 with a given circulation amount; and an ECU 4 for issuing an output instruction value to the fuel cell stack 1 and for controlling the circulation amount of the fuel in the fuel circulation passage 6, depending on the output instruction value.</p> <p>This conventional technology discloses a control method of fuel gas quantity inside the circulation route according to the output control figure, but fails to disclose the method as claimed in the present invention for raising the pressure of the fuel gas in the circulation route according to the increase in the required gas quantity that is required in the fuel cell.</p>	<input type="checkbox"/> high <input type="checkbox"/> moderate <input checked="" type="checkbox"/> Low	HONDA MOTOR CO LTD
60-010566	<p>Upon decrease of load of a fuel cell 12, a fuel gas regulation valve 11 is controlled in the closing direction to limit gas (A) to be fed into the combustion chamber 10 of reformer 8 to such amount as necessary for maintaining the temperature of catalyst tube 9 and to be consumed by the cell 12, while a regulation valve 19 is controlled in the closing direction to limit the amount of gas (A) to be fed to an auxiliary combustor 18. Then the amount and temperature of exhaust gas to be fed from a mixer 16 to turbine 13 are decreased to decrease the amount of oxidation agent gas (C) through lowering of delivery pressure of compressor 14 thus to make the electrochemical reaction of cell 12 inactive. Upon increase of load, reverse control is performed to operate efficiently. Consequently deterioration of electrode can be suppressed resulting in lengthening of service life.</p> <p>This conventional technology discloses a control method for regulating the pressure of the fuel gas so as not to deteriorate the electrodes of the fuel cell stack, but fails to disclose the method as claimed in the present invention for raising the pressure of the fuel gas in the circulation route according to the increase in the required gas quantity that is required in the fuel cell.</p>	<input type="checkbox"/> high <input type="checkbox"/> moderate <input checked="" type="checkbox"/> Low	TOSHIBA CORP